Amendments to the Claims:

Although the claims have not been amended, they are presented here for the convenience of the Office.

Listing of Claims:

1.   (Previously Presented) A system for generating an enhanced data, comprising:

an input interface that receives data associated with a modem-based data session established via at least one circuit-switched network communicating with at least one asymmetric-routing data network that is capable of facilitating a transfer over the at least one asymmetric-routing network of data packets that are encapsulated in a tunneling-protocol and that are associated with the modem-based data session and operable to send using the tunneling protocol for delivery via one or more virtual point-to-point connections based on a destination address associated with the tunneling-protocol-encapsulated data packets;

at least one enhancement cluster for receiving and processing the tunneling-protocol-encapsulated data packets that enhances a connection from a source to a destination network; and

at least one virtual point-to-point connection for communicating the tunneling-protocol-encapsulated data packets over at least one communications path traversing the at least one asymmetric-routing data network and operable to convey data-types that utilize a point-to-point connection, wherein the at least one communications path couples the input interface to the at least one enhancement cluster based on the destination address, and wherein the at least one virtual point-

to-point connection emulates a dedicated point-to-point connection path connecting the input interface to the at least one enhancement cluster.

2.   (Original) A system according to claim 1, wherein the input interface comprises a set of remote access servers.

3.   (Previously Presented) A system according to claim 1, wherein the encapsulated data packets are sent using a tunneling protocol comprising a Layer 2 tunneling protocol.

4.   (Previously Presented) A system according to claim 1, wherein the at least one virtual point-to-point connection comprises a plurality of virtual point-to-point connections.

5.   (Original) A system according to claim 1, wherein the at least one enhancement cluster comprises a set of load balancers.

6.   (Original) A system according to claim 1, wherein the at least one enhancement cluster comprises a set of compression servers.

7.   (Original) A system according to claim 1, wherein the at least one enhancement cluster comprises a set of tunnel servers.

8.   (Original) A system according to claim 1, wherein the at least one enhancement cluster comprises a set of distributed enhancement platforms.

9.   (Original) A system according to claim 8, wherein at least two of the set of distributed enhancement platforms are operated by separate access providers.

10. (Original) A system according to claim 9, wherein the at least two of the set of distributed enhancement platforms are hosted at separate locations.

11. (Previously Presented) A system according to claim 1, wherein processing the data packets comprises at least one of applying compression, applying decompression, performing caching, applying optimization, and applying security to the data session.

12. (Original) A system according to claim 1, wherein the destination network comprises the Internet.

13. (Original) A system according to claim 1, wherein the data session originates as a point-to-point session.

14. (Previously Presented) A system according to claim 1, wherein access to the enhancement cluster is granted based on one or more of a password, certificate, and cookie.

15. (Original) A system according to claim 1, wherein access to the enhancement cluster is discriminated by at least a domain name.

16. (Original) A system according to claim 1, further comprising an interface to an authentication platform, the authentication platform authenticating the data session for access to the enhancement cluster.

17. (Previously Presented) One or more computer-storage media having computer-executable instructions embodied thereon for performing a method of enhancing a data connection from a source to a destination network, the method comprising:

receiving at an at least one remote access server data associated with a modem-based data session established via at least one circuit-switched network communicating with at least one data network that facilitates asymmetric data routing;

encapsulating at the at least one remote access server packets of the data to be sent in a tunneling protocol for delivery via one or more virtual point-to-point connections;

communicating the tunneling-protocol-encapsulated data packets via at least one virtual point-to-point connection over at least one communications path traversing the at least one data network and operable to convey data-types that utilize a point-to-point connection, wherein the at least one communications path couples the at least one remote access server to at least one enhancement cluster based on a destination address associated with the tunneling-protocol-encapsulated data packets, and wherein the virtual point-to-point connection emulates a dedicated point-to-point connection path connecting the at least one remote access server to the at least one enhancement cluster; and

receiving and processing the tunneling-protocol-encapsulated data packets in the at least one enhancement cluster to enhance the data connection.

18.   (Previously Presented) The media of claim 17, wherein the step of receiving comprises receiving the data associated with a modem-based data session in the at least one remote access server.

19.   (Previously Presented) The media of claim 17, wherein the tunneling protocol comprises at least one of a Layer 2 tunneling protocol and a Layer 3 tunneling protocol.

20.   (Previously Presented) The media of claim 17, wherein the at least one virtual point-to-point connection comprises a plurality of virtual point-to-point connections.

21.   (Previously Presented) The media of claim 17, wherein the at least one enhancement cluster comprises a set of load balancers.

22.   (Previously Presented) The media of claim 17, wherein the at least one enhancement cluster comprises a set of compression servers.

23.   (Previously Presented) The media of claim 17, wherein the at least one enhancement cluster comprises a set of tunnel network servers.

24.   (Previously Presented) The media of claim 17, wherein the at least one enhancement cluster comprises a set of distributed enhancement platforms.

25.   (Previously Presented) The media of claim 24, wherein at least two of the set of distributed enhancement platforms are operated by separate access providers.

26.   (Previously Presented) The media of claim 25, wherein the at least two of the set of distributed enhancement platforms are hosted at separate locations.

27.   (Previously Presented) The media of claim 17, wherein the processing comprises at least one of applying compression, applying decompression, performing caching, applying optimization, and applying security to the data packets.

28.   (Previously Presented) The media of claim 17, wherein the destination network comprises the Internet.

29.   (Previously Presented) The media of claim 17, wherein the data session originates as a point-to-point session.

30.   (Previously Presented) The media of claim 17, further comprising discriminating access to the enhancement cluster based on at least one of a password, certificate, and cookie.

31.   (Previously Presented) The media of claim 17, further comprising discriminating the access to the enhancement cluster by at least a domain name.

32.   (Previously Presented) The media of claim 17, further comprising authenticating the data session for access to the enhancement cluster.

33.   (Previously Presented) A system for generating an enhanced data connection, comprising:

input interface means for receiving data associated with a modem-based data session established via at least one circuit-switched network communicating with at least one data network that facilitates asymmetric data routing;

encapsulation means for encapsulating in a tunneling protocol data packets, of the data associated with a modem-based data session, operable for sending over the data network using the tunneling protocol means for delivery via one or more virtual point-to-point connections based on a destination address associated with the tunneling-protocol-encapsulated data packets;

at least one enhancement-cluster means for receiving and processing the tunneling-protocol-encapsulated data packets to enhance a connection from a source to a destination network; and

at least one virtual point-to-point connecting means for communicating the tunneling-protocol-encapsulated data packets over at least one communications path traversing the at least one data network and operable to convey data-types that utilize a point-to-point connection, wherein the at least one communications path couples the input interface to the at least one enhancement cluster based on the destination address, and wherein the at least one virtual point-to-point connecting means includes a means for emulating a dedicated point-to-point connection path connecting the input interface to the at least one enhancement cluster.

34.   (Original) A system according to claim 33, wherein the at least one enhancement cluster means comprises a set of compression server means.

35.   (Original) A system according to claim 33, wherein the at least one enhancement cluster means comprises a set of distributed enhancement platform means.

36.   (Original) A system according to claim 35, wherein at least two of the set of distributed enhancement platform means are operated by separate access providers.

37.   (Previously Presented) A system according to claim 33, wherein the means for processing the data packets comprises at least one of applying compression, applying decompression, performing caching, applying optimization, and applying security to the data session.

38.   (Original) A system according to claim 33, wherein the destination network comprises the Internet.

39.   (Original) A system according to claim 33, wherein the data session originates as a point-to-point session.

40.   (Previously Presented) A system according to claim 33, wherein access to the enhancement cluster means is granted based on one or more of a password, certificate, cookie and domain name.

41.   (Previously Presented) An enhanced data session, the enhanced data session being generated by a method comprising:

receiving at an at least one remote access server data associated with a modem-based data session established via at least a circuit-switched network communicating with at least one asymmetrically-routed data network;

encapsulating at the at least one remote access server packets of the data to be sent in a tunneling protocol for delivery via one or more virtual point-to-point connections;

communicating the tunneling-protocol-encapsulated data packets via at least one virtual point-to-point connection over at least one communications path

operable to convey data-types that utilize a point-to-point connection and traversing the at least one data network that facilitates asymmetric data routing, wherein the at least one communications path couples the at least one remote access server to at least one enhancement cluster based on a destination address associated with the tunneling-protocol-encapsulated data packets, and wherein the virtual point-to-point connection emulates a dedicated point-to-point connection path connecting the at least one remote access server to the at least one enhancement cluster; and

receiving and processing the tunneling-protocol-encapsulated data packets to generate an enhanced session in the at least one enhancement cluster, the enhanced session connecting to a destination network.

42.   (Original) An enhanced data session according to claim 41, wherein the at least one enhancement cluster comprises a set of compression servers.

43.   (Original) An enhanced data session according to claim 41, wherein the at least one enhancement clusters comprises a set of distributed enhancement platforms.

44.   (Original) An enhanced data session according to claim 43, wherein at least two of the set of distributed enhancement platforms are operated by separate access providers.

45.   (Original) An enhanced data session according to claim 41, wherein the processing comprises at least one of applying compression, applying decompression, performing caching, applying optimization, and applying security to the data session.

46.   (Original) An enhanced data session according to claim 41, wherein the destination network comprises the Internet.

47.   (Original) An enhanced data session according to claim 41, wherein the data session originates as a point-to-point session.

48.   (Previously Presented) An enhanced data session according to claim 41, wherein access to the enhancement cluster is granted based on one or more of a password, certificate, cookie and a domain name.

49.   (Previously Presented) One or more computer-storage media having computer-executable instructions embodied thereon for performing a method of enhancing a data connection from a source to a destination network, the method comprising:

receiving at an at least one remote access server data packets that form a part of a modem-based data session;

encapsulating at the at least one remote access server the data packets to be sent in a tunneling protocol for delivery via one or more virtual point-to-point connections;

communicating the tunneling-protocol-encapsulated data packets via at least one virtual point-to-point connection over at least one communications path traversing an asymmetric data network and operable to convey data-types that utilize a point-to-point connection, wherein the at least one communications path couples the at least one remote access server to at least one enhancement cluster based on a destination address associated with the tunneling-protocol-encapsulated data packets, and wherein the virtual point-to-point connection

emulates a dedicated point-to-point connection path connecting the at least one

remote access server to the at least one enhancement cluster; and

receiving and processing the tunneling-protocol-encapsulated data packets

in the at least one enhancement cluster to enhance the data connection.

50.   (Previously Presented) The media of claim 49, wherein the processing

comprises at least one of applying compression, applying decompression, performing caching,

applying optimization, and applying security to the data session.

51.   (Previously Presented) The media of claim 49, wherein the destination

network comprises the Internet.

52.   (Previously Presented) The media of claim 49, wherein the data session

originates as a point-to-point session.

53.   (Previously Presented) The media of claim 49, wherein the tunneling

protocol comprises at least one of a Layer 2 tunneling protocol and a Layer 3 tunneling protocol.

54.   (Previously Presented) The media of claim 49, wherein the at least one

enhancement cluster comprises a set of distributed enhancement platforms.

55.   (Previously Presented) The media of claim 54, wherein at least two of the

enhancement platforms of the set of distributed enhancement platforms are hosted at separate

locations.